

Small Lakes Management Program –2005 Status of Work on Specific Lakes (January-December 2004)

FTE's 4

| Lake/Program | Action | Status |
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| <i>Beaver Lake</i> | Management plan and inlet streams monitoring | The 2 nd Beaver Lake Management District monitoring activities under the second LMD began in late 2002, following interim monitoring. Monitoring efforts continued in 2004. King County is acting as technical lead for the city of Sammamish under an ILA to accomplish the monitoring activities. |
| <i>Cottage Lake</i> | Management plan | The Management Plan was completed in 1996. A TMDL for phosphorus 303d listing was completed in 2004, and a CCWF proposal was submitted for water quality restoration activities. Small Lakes program staff monitored inlet streams for fecal coliform levels and other water quality parameters in the first 4 months of 2004. |
| <i>Lake Desire</i> | Management plan | Plan completed in 1995. King County completed an agreement with a land developer in the watershed to fund construction of an in-lake aeration system. Because community support was absent, the funds were used to restore a headwater wetland (LCR14) in 2002. Monitoring of restoration effectiveness occurred in 2003-2004. |
| <i>Hicks/Garrett Lake</i> | IPMP and Alum treatment | Staff monitoring of Hicks Lake in summer 2004 revealed the presence of toxin-producing bluegreen algae. Preparation of an Integrated Phosphorus Management Plan and citizen meetings were begun to meet requirements for an NPDES permit to treat the lake with alum in spring of 2005. |
| <i>Lake Geneva</i> | | County staff worked with the community in 2004 to begin production of an Integrated Vegetation Management Plan to deal with noxious aquatic weeds. |
| <i>Lake Killarney</i> | IAVMP | Plan was completed 3/97. The Lake Killarney Improvement Association continues to manage weed problems on an as-needed basis. The association contacted King County in 2003-2004 to discuss an update to the 1997 IAVMP prior to weed treatment. |

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| Lake Lucerne/Pipe Lake | <i>Hydrilla</i> eradication | Year 10 eradication activities managed by King County were completed in 2004. A required Integrated vegetation Management Plan was completed in 2004 to meet NPDES requirements. The Cities of Maple Valley and Covington became implementing jurisdictions effective 9/97. The cities extended their agreement with King County for ongoing monitoring, management, and restoration activities until <i>Hydrilla</i> is eradicated. King County has taken over the task of herbicide applications, but continues to hire consultants for the SCUBA surveys to locate and map <i>Hydrilla</i> . The project will be considered complete when <i>Hydrilla</i> is not found in the lake for three years in a row. |
| North Lake | | An Integrated Vegetation Management Plan was completed in 2004 to take care of four noxious weeds found in the lake. King County and the surrounding community applied for and received a Washington state noxious aquatic weed financial assistance grant to manage the weeds. Upon incorporation of the North Lake community into the City of federal Way, the county turned over the management of the grant to the city. |
| Lake Sawyer | Management plan | Final plan was completed in July 2000, but further plan implementation responsibilities have shifted to Black Diamond, the local jurisdiction. |
| Spring Lake | IAVMP and Noxious aquatic weed control work. | The plan to eradicate 4 different noxious weeds from the lake was completed late in 2002, and Washington Ecology has funded the County's application for help with implementation. 2004 was the second season of noxious aquatic weed control. A consultant performed the herbicide applications, while King County monitored the lake and assessed effectiveness. Weed control efforts will continue in 2005. |
| Lake Twelve | IAVMP | Milfoil eradication was completed in 1996. Water lily control was completed in summer 1998. Divers surveyed and pulled new milfoil plants in the summer of 1999. The King County Regional Milfoil Plan identifies Lake Twelve as heavily re-infested with milfoil as of the summer of 2001. No new strategies for control have been investigated. |

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| Lake Wilderness | IAVMP | The Integrated Aquatic Vegetation Management Plan was completed 5/97 by King County. The City of Maple Valley became the implementing jurisdiction effective 9/97. The Lake Wilderness Implementation Committee received grant funding and completed forming a LMD in 1998 to implement the 10-year management plan. The City of Maple Valley continues to be the lead agency for plan implementation, but King County provides assistance under a Technical Services Agreement for evaluating and updating the plan and providing un-biased third-party supervision over weed survey and control work. A Plan update was completed in 2004. |
| County-Wide Aquatic Plant Management | Test aquatic plant control techniques | Crary Weedroller project was completed 12/96. |
| | Survey for aquatic plants and development of long-term management strategies | Aquatic Plant Mapping project was completed 12/96. Recommendations included the development of a noxious weed identification and volunteer monitoring program. |
| | Noxious Aquatic Weed Identification and Training Program | Identification materials were completed and 15 lakes were surveyed by volunteers during the two-year weed survey program completed in 6/2000. The KC Noxious Weeds Board contracted with the County to conduct an aerial survey mapping project of 5 lakes that had not been inventoried to date for aquatic plants, completed 12/99. Identification cards created as part of the volunteer program are currently being used to train new volunteers for milfoil patrols on lakes throughout the county |
| | Regional Milfoil Management Plan | Diver surveys for milfoil infestations were carried out on 38 lakes in King County. Potential directions for programs on lakes with milfoil infestations are evaluated and various management strategies are assessed in the report published late in 2002. |

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| Lake Stewardship | Public Involvement and Education | <p>Ongoing--Lake Stewardship video 'Lakeside Living' was completed in 1998.</p> <p>Website for the small lakes program developed and maintained regularly.</p> <p>Three public workshops in 2004: natural yard care, aquatic weed open house, and forming LMDs and Lake associations</p> |
| | Technical assistance | Ongoing upon request from citizens, agencies and jurisdictions |
| | Volunteer monitoring | <p>Ongoing—volunteers for 52 lakes participated in the monitoring program during 2004. The 1998 Lake Monitoring Report was completed in October 1999. The 1999 report was completed in March 2001. The 2000 report was issued March 2002, and the 2001 report was issued December 2002. The 2002 report was issued December 2003. 2003 and 2004 have not yet been issued.</p> |
| | Trend Analysis Report | <p>A comprehensive look at trends in water quality over time in the small lakes monitored in King County included a statistically significant trend analysis of long term data for 23 lakes and a qualitative assessment for 28 lakes with shorter records. The report was published November 2001.</p> |